

drinking hole along with the hot liquid. The hot liquid is cooled as the air is drawn up in conjunction with the hot liquid through the drinking hole.

DRAWINGS

Figure 1 -- HOT DRINK CUP LID WITH COOLING AIR-FLOW (perspective)

Legend

1. lid
2. mounting portion which mates with the associated container
3. recessed channel
4. raised portion
5. drinking area plane
6. drinking hole
7. recessed portion
8. cooling air-flow hole
9. angled portion
11. raised portion opposite the drinking hole
15. angular raised portion
16. angular recessed portion

Figure 2 - Side View

Legend

1. lid
2. mounting portion which mates with the associated container
3. recessed channel
4. raised portion
5. drinking area plane
6. drinking hole
7. recessed portion
8. cooling air-flow hole

Hot Drink Cup Lid with Cooling Air-Flow
Constance L. Pitts

- 9. angled portion
- 15. angular raised portion
- 16. angular recessed portion

Figure 3 -- Top View

Legend

- 1. lid
- 2. mounting portion which mates with the associated container
- 3. recessed channel
- 5. drinking area plane
- 6. drinking hole
- 8. cooling air-flow hole
- 9. angled portion
- 15. angular raised portion
- 16. angular recessed portion

Figure 4 -- Sectional View

Legend

- 1. lid
- 2. mounting portion which mates with the associated container
- 3. recessed channel
- 4. raised portion
- 5. drinking area plane
- 6. drinking hole
- 7. recessed portion
- 8. cooling air-flow hole
- 9. angled portion
- 11. raised portion opposite the drinking hole
- 15. angular raised portion

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16. angular recessed portion

Figure 5 -- Diagrammatic View of Lid in Use.

- 1. lid
- 6. drinking hole
- 8. cooling air-flow hole
- 13. action path of air and liquid flow
- 14. cup
- 17. hot liquid/beverage

FIG. 1/5

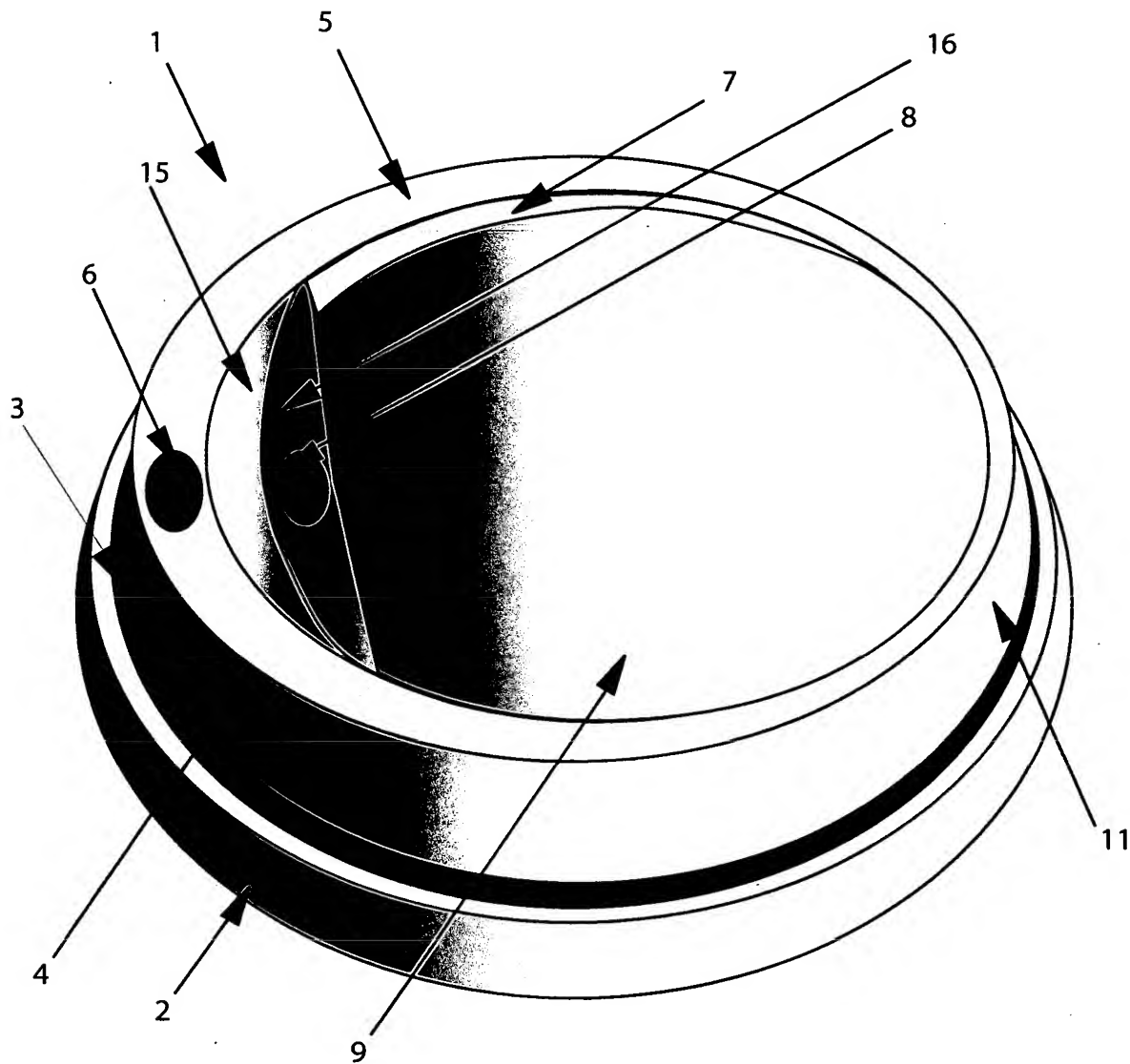


FIG. 3/5

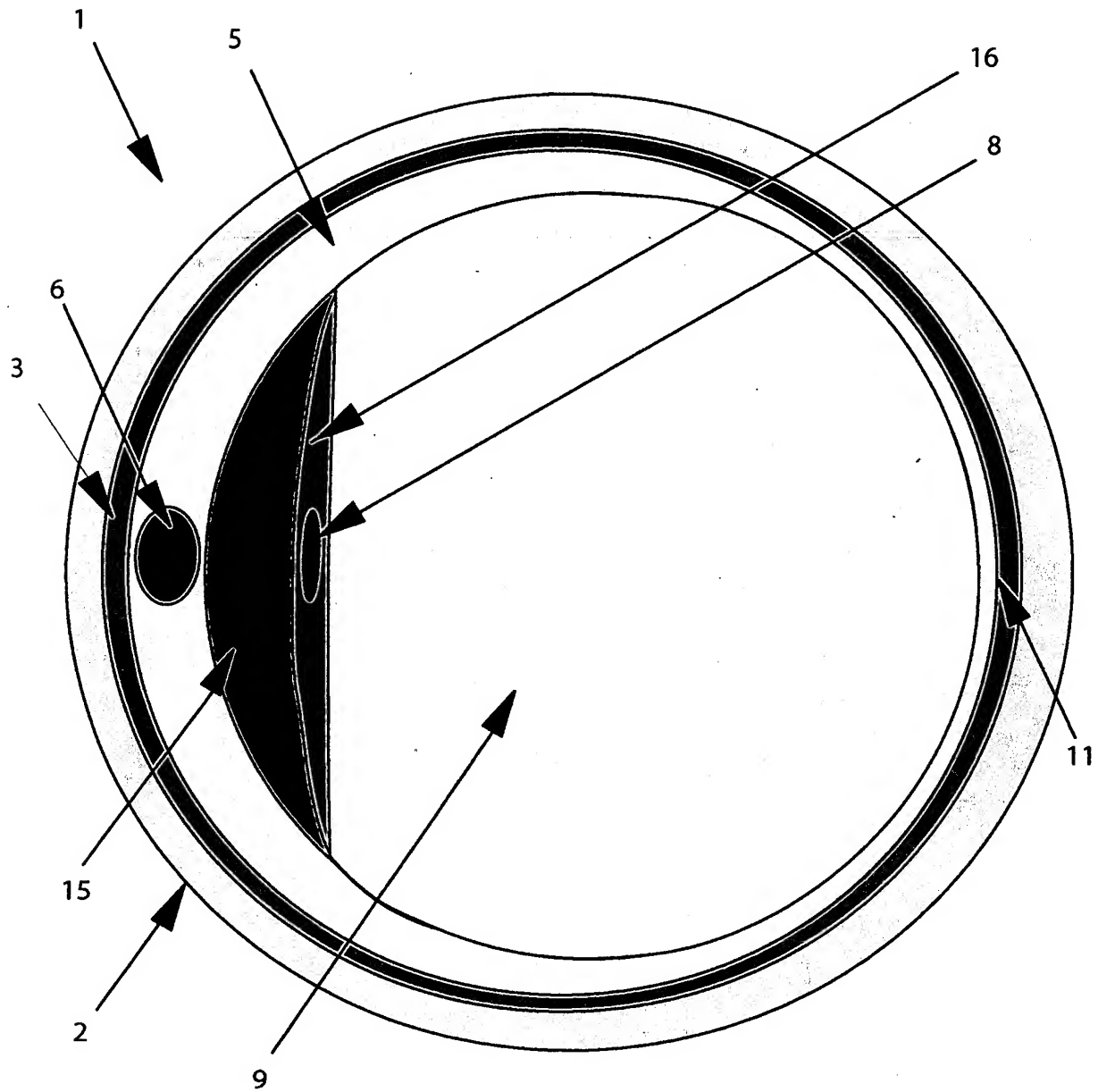


FIG. 4/5

